UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 239268US2

First Inventor or Application Identifier Yasunobu NAKASE

Title SEMICONDUCTOR CIRCUIT COMPARING TWO DATA ROWS

Assignee Name:

Renesas Technology Corp.,

Assignee Address: 4-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO, JAPAN

-E	丰
,LC	重
w co	墨
200	量
9/	=
45	

APPLICATION ELEMENTS Sow MPEP chapter 400 concentring withly patient application contents ADDRESS TO: ADDRESS TO: ADDRESS TO: ACCOMPANYING APPLICATION PARTS 7. ASsignment Papers (cover sheet & document(s)) 8. Application Data Sheet. See 37 CFR 1.76 9. Applicant Calmina Sheet. See 37 CFR 1.77					4-1		
(Submit an original and a duplicate for fee processing) 2. Specification Total Sheets 60 3. Drawing(s) (35 U.S.C. 113) Total Sheets 15 4. Oath or Declaration Total Pages 3. Newly executed (original) b. Copy from a prior application (37 C.F.R. §1.63(d)) Signed statement statemed obtains with box 17 compileted) i. DELETION OF INVENTOR(S) Signed statement statemed obtains with box 17 compileted) c. DRAM or CD-R in Quiplicate, large table or Computer Program (Appendix) D. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) D. Specification or Sequence Listing on: i. DC-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies 17. If a CONTINUINIS APPLICATION, check appropriate box, and supply the requisite information below. For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration supplied under Box 4b, is considered a part of the accompanying instruction plants and is hardyle information. For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration supplied under Box 4b, is considered a part of the accompanying instruction and is hardyle information in supplied under Box 4b, is considered a part of the accompanying instruction of plants and is hardyle information. For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying instruction of plants and in the submitted application prior in the submitted application prior in the submitted application prior in the submitted application from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying interior the first line the semence: This application is an oath of the submitted submitted application formation in the submitted submitted submitted submitted submitted	See MPE		ADDRESS TO: N	fail Stop Patent Ap	oplication		
7. If a Specification 7. If			ACCOMPANYING APPLICATION PARTS				
9.	(300	mile an original and a duplicate for fee processing)	7. Assignment	Papers (cover she	eet & document(s))		
3. ■ Drawing(s) (35 U.S.C. 113) Total Sheets Drawing(s) (35 U.S.C. 113) Total Sheets Drawing(s) (15	2. Spe	ecification Total Sheets 60	8. Application Data Sheet. See 37 CFR 1.76				
1. Information Disclosure Copies of IDS			9. 37 C.F.R. §3 (when there is a	3.73(b) Statement an assignee)			
11. Statement (DS)/PTO-1449 Citations (4) 4. Coth or Declaration Total Pages 3 a. Newly executed (original) b. Copy from a prior application (37 C.F.R. \$1.63(d)) copy from a prior application (37 C.F.R. \$1.63(d)) b. DELETION OF INVENTOR(S) i. DELETION OF INVENTOR(S) Signed statement statemed teleting inventors) named in the prior application, see 37 C.F.R. \$1.63(d)/20 and 1.33(d). 5. COROM or CD-R in duplicate, large table or Computer (if applicable, all necessary) 6. Mucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification or Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper C. Statements verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply tine requisite information below: Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: For CONTRIBUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation gan only be relied upon when a portion has been inadvertently emitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division G application Serial No. Filed on Which was not published in English Which was not published in English Which was not published in English All Continuation Calms priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS Name: Marvin Nepivak Signature: Date: Date: Date: Ctations (4) Ctraining the divination of priority priority and individual priority	3. 🔳 Dra	wing(s) (35 U.S.C. 113) Total Sheets 15	10. English Trar	nslation Document	t (if applicable)		
. a.							
b. Copy from a prior application (37 C.F.R. \$1.63(d)) (or continuation/divisional with box 17 completed)	4. 🔳 Oat	h or Declaration Total Pages 3	12. Preliminary	Amendment			
Co-Part Continuation/divisional with box 17 completed	. а.	Newly executed (original)	13. White Advar	nce Serial No. Pos	stcard		
Signed statement attached deleting inventor(s) named in the potor application, see 37 CFR. 3.13 (3.10). 5. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 6. (If applicable, all necessary) a. (Computer Readable Form (CRF) b. Specification or Sequence Listing on: i. (CD-ROM or CD-R (2 copies); or ii. (Paper C. (3 copies); or iii. (Paper C. (4 copies); or iii. (Paper C.	b. 🗆				ument(s) (1)		
S. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix). Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary) a. Computer Readable Form (CRF) b. Specification or Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a panying continuation or divisional application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filled on Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filled 19. CORRESPONDENCE ADDRESS Name: Marvin Spivak Registration No.: 24,913 Signature: Date: Dat	·.	Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and	15. Applicant claims small entity status. See 37 CFR 1.27				
a. Computer Readable Form (CRF) b. Specification or Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Staterments verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit: For CONTINUATION or DIVISIONAL APPS only. The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently ornited from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filed on		-ROM or CD-R in duplicate, large table or Computer	16. Other: Request for Priority, Statement of Relevancy				
b. Specification or Sequence Listing on: i. □ CD-ROM or CD-R (2 copies); or ii. □ Paper c. □ Staternents verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: □ □ Continuation □ Divisional □ Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation gan only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: □ This application is a □ Continuation □ Division □ Continuation-in-part (CIP) of application Serial No. Filed on □ Which was published in English □ Which was not published in English □ This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS							
i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:		·					
ii.	•		•		•		
c. Statements verifying identity of above copies 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit:							
17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below: Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filed on Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS	_						
Continuation Divisional Continuation-in-part (CIP) of prior application no.: Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application can only be relied upon when a portion has been inadvertently omitted from the submitted application is a Continuation or Division Continuation-in-part (CIP) of application Serial No. Filed on Which was published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin Aspivak Registration No.: 24,913 Signature: James D. Hamilton Registration No.:							
Prior application information: Examiner: Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filed on Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS Registration No.: 24,913 Signature: Date: Date: James D. Hamilton Registration No.:	_				no :		
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filled on Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filled 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 10. COR			in-part (Oir)	• • • • • • • • • • • • • • • • • • • •			
considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be reflied upon when a portion has been inadvertently omitted from the submitted application parts. 18. Amend the specification by inserting before the first line the sentence: This application is a			application from which an	•			
This application is a Continuation Division Continuation-in-part (CIP) of application Serial No. Filed on Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS 19.	considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon						
of application Serial No. Filed on Which was published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin / Spivak Signature: Date: 5-34-03 Registration No.: 24,913 Registration No.: Date: 5-34-03 Registration No.: Registration No.: Date: 5-34-03	18. Amend th	he specification by inserting before the first line the se	ntence:				
Which was published in English Which was not published in English This application claims priority of provisional application Serial No. Filed 19. CORRESPONDENCE ADDRESS Filed 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin Aprivak Registration No.: 24,913 Date: CM - 0.3 Name: James D. Hamilton Registration No.:	☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)						
□ Which was not published in English □ This application claims priority of provisional application Serial No. 19. CORRESPONDENCE ADDRESS 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin 7. Spivak Signature: Date: 6 JA - 0 3 Name: James D. Hamilton Registration No.:	of application Serial No. Filed on						
This application claims priority of provisional application Serial No. 19. CORRESPONDENCE ADDRESS 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin / Spivak Signature: Date: 6-24-03 Name: James D. Hamilton Registration No.:	·						
19. CORRESPONDENCE ADDRESS 22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Name: Marvin Aspivak Signature: Date: 6-24-03 Name: James D. Hamilton Registration No.: 24,913 Registration No.: 24,913 Registration No.: 24,913	•						
22850 (703) 413-3000 FACSIMILE: (703) 413-2220 Registration No.: 24,913 Date: 6-24-03 Name: James D. Hamilton Registration No.:							
	19. CORRESPONDENCE ADDRESS						
(703) 413-3000 FACSIMILE: (703) 413-2220 Registration No.: 24,913 Signature: Date: 6-24-03 Name: James D. Hamilton Registration No.:							
Name: Marvin Aspivak Registration No.: 24,913 Signature: Date: 6-24-03 Name: James D. Hamilton Registration No.:	. 22850						
Signature: Date: 6-24-03 Name: James D. Hamilton Registration No.:							
Signature: Date: 6-21-03 Name: James D. Hamilton Registration No.:	Name:	Marvin T. Spivak		Registration No.:	24,913		
Name: James D. Hamilton Registration No.:		1 1 1 1 1					
Registration No. 28.421				············			
	ivaiile.	Registration No. 28,421					

ש

239268US2

INVENTOR(S) Yasunobu NAKASE

SERIAL NO: New Application

FILING DATE: Herewith

FOR: SEMICONDUCTOR CIRCUIT COMPARING TWO DATA ROWS

FEE TRANSMITTAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	23 - 20 =	3	x \$18 =	\$54.00
INDEPENDENT CLAIMS	1 - 3 =	0	x \$84 =	\$0.00
☐ MULTIPLE DEPENDENT CLAIMS (If applicable) + \$280 =				\$0.00
☐ LATE FILING OF DECL	\$0.00			
	\$750.00			
	\$804.00			
☐ REDUCTION BY 50% F	\$0.00			
☐ FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
■ RECORDATION OF ASSIGNMENT + \$40				\$40.00
			TOTAL	\$844.00

- ☐ Please charge Deposit Account No. <u>15-0030</u> in the amount of \$0.00 A duplicate copy of this sheet is enclosed.
- A check in the amount of \$844.00 to cover the filing fee is enclosed.
- The Director is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. <u>15-0030</u>. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Date:

6-24-03

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) Marvin J. Spivak

Registration No. 24,913

James D. Hamilton Registration No. 28,421